

WHAT IS CLAIMED IS:

1. A method of producing a cover for covering a vehicle airbag, the method comprising the steps of:
 - providing a three-dimensionally molded airbag cover;
 - forming a tear line with a predetermined depth within the thickness of the airbag cover by ultrasonic processing.
2. The method of Claim 1, further comprising the steps of:
 - determining a first distance between a processing edge of an ultrasonic processing mechanism and a predetermined location on the ultrasonic processing mechanism, and
 - determining a second distance between a processing surface of the airbag cover and the predetermined location on the ultrasonic processing mechanism.
3. The method of Claim 2, further comprising the step of estimating the depth of the tear line based on the determined first and second distances.
4. The method of Claim 2, further comprising the step of estimating the residual thickness of the cover at the tear line based on the determined first and second distances.
5. The method of Claims 2, wherein the first distance is calculated between the edge of a blade and the predetermined location.
6. A cover for a vehicle airbag comprising:
 - a three-dimensionally molded plate;
 - a continuous linear groove with a predetermined depth located in the plate;
 - wherein the groove is formed by ultrasonic waves.

7. An airbag module comprising:

an airbag;

a cover for covering the vehicle airbag;

an accommodating member for accommodating the vehicle airbag; and

a gas supplying mechanism for supplying inflation gas so that the vehicle airbag is deployed and inflated from the accommodating member,

wherein the cover comprises a three-dimensionally molded plate-shaped structure and has a linear groove which is continuously disposed with a predetermined depth within the thickness of the airbag cover, and

wherein, the module is configured so that when a vehicle collides at a location which is situated in front of the vehicle, the vehicle airbag is deployed by the inflation gas supplied from the gas supplying mechanism, causing the airbag cover to tear at the linear groove, so that the vehicle airbag is further deployed and inflated in a rider protection area which is situated in front of a rider.